RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _/0/533,124_
Source: _PCT/10_
Date Processed by STIC: _5/10/05_

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PCT

RAW SEQUENCE LISTING   DATE: 05/10/2005
PATENT APPLICATION: US/10/533,124   TIME: 13:30:56

Input Set : A:\SEQ LISTING-2 (WSU-9 US).txt
Output Set: N:\CRF4\05102005\J533124.raw

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   3 <110> APPLICANT: TERLECKY, Stanley R.
   4        WALTON, Paul A.
   6 <120> TITLE OF INVENTION: PROMOTION OF PEROXISOMAL CATALASE FUNCTION IN CELLS
   8 <130> FILE REFERENCE: 28928.0009)
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/533,124
  12 <141> CURRENT FILING DATE: 2005-04-29
  14 <150> PRIOR APPLICATION NUMBER: PCT/US03/34512
  15 <151> PRIOR FILING DATE: 2003-10-30
  17 <150> PRIOR APPLICATION NUMBER: US 60/422,100
  18 <151> PRIOR FILING DATE: 2002-10-30
  20 <160> NUMBER OF SEQ ID NOS: 21
  22 <170> SOFTWARE: PatentIn Ver. 3.2
  24 <210> SEQ ID NO: 1
  25 <211> LENGTH: 4
  26 <212> TYPE: PRT
  27 <213> ORGANISM: Artificial Sequence
  29 <220> FEATURE:
  30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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  34 Lys Ala Asn Leu
  35   1
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  39 <211> LENGTH: 527
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  41 <213> ORGANISM: Homo sapiens
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  44 Met Ala Asp Ser Arg Asp Pro Ala Ser Asp Gln Met Gln His Trp Lys
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  47 Glu Gln Arg Ala Ala Gln Lys Ala Asp Val Leu Thr Thr Gly Ala Gly
  48               20                  25                  30
  50 Asn Pro Val Gly Asp Lys Leu Asn Val Ile Thr Val Gly Pro Arg Gly
  51           35                  40                  45
  53 Pro Leu Leu Val Gln Asp Val Val Phe Thr Asp Glu Met Ala His Phe
  54       50                  55                  60
  56 Asp Arg Glu Arg Ile Pro Glu Arg Val Val His Ala Lys Gly Ala Gly
  57   65                  70                  75                  80
  59 Ala Phe Gly Tyr Phe Glu Val Thr His Asp Ile Thr Lys Tyr Ser Lys
  60               85                  90                  95
  62 Ala Lys Val Phe Glu His Ile Gly Lys Lys Thr Pro Ile Ala Val Arg
  63               100                 105                 110
  65 Phe Ser Thr Val Ala Gly Glu Ser Gly Ser Ala Asp Thr Val Arg Asp
  66           115                 120                 125
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68 Pro Arg Gly Phe Ala Val Lys Phe Tyr Thr Glu Asp Gly Asn Trp Asp
69     130               135               140
71 Leu Val Gly Asn Asn Thr Pro Ile Phe Phe Ile Arg Asp Pro Ile Leu
72 145               150               155               160
74 Phe Pro Ser Phe Ile His Ser Gln Lys Arg Asn Pro Gln Thr His Leu
75               165               170               175
77 Lys Asp Pro Asp Met Val Trp Asp Phe Trp Ser Leu Arg Pro Glu Ser
78               180               185               190
80 Leu His Gln Val Ser Phe Leu Phe Ser Asp Arg Gly Ile Pro Asp Gly
81           195               200               205
83 His Arg His Met Asn Gly Tyr Gly Ser His Thr Phe Lys Leu Val Asn
84     210               215               220
86 Ala Asn Gly Glu Ala Val Tyr Cys Lys Phe His Tyr Lys Thr Asp Gln
87 225               230               235               240
89 Gly Ile Lys Asn Leu Ser Val Glu Asp Ala Ala Arg Leu Ser Gln Glu
90               245               250               255
92 Asp Pro Asp Tyr Gly Ile Arg Asp Leu Phe Asn Ala Ile Ala Thr Gly
93               260               265               270
95 Lys Tyr Pro Ser Trp Thr Phe Tyr Ile Gln Val Met Thr Phe Asn Gln
96           275               280               285
98 Ala Glu Thr Phe Pro Phe Asn Pro Phe Asp Leu Thr Lys Val Trp Pro
99     290               295               300
101 His Lys Asp Tyr Pro Leu Ile Pro Val Gly Lys Leu Val Leu Asn Arg
102 305               310               315               320
104 Asn Pro Val Asn Tyr Phe Ala Glu Val Glu Gln Ile Ala Phe Asp Pro
105               325               330               335
107 Ser Asn Met Pro Pro Gly Ile Glu Ala Ser Pro Asp Lys Met Leu Gln
108           340               345               350
110 Gly Arg Leu Phe Ala Tyr Pro Asp Thr His Arg His Arg Leu Gly Pro
111     355               360               365
113 Asn Tyr Leu His Ile Pro Val Asn Cys Pro Tyr Arg Ala Arg Val Ala
114     370               375               380
116 Asn Tyr Gln Arg Asp Gly Pro Met Cys Met Gln Asp Asn Gln Gly Gly
117 385               390               395               400
119 Ala Pro Asn Tyr Tyr Pro Asn Ser Phe Gly Ala Pro Glu Gln Gln Pro
120               405               410               415
122 Ser Ala Leu Glu His Ser Ile Gln Tyr Ser Gly Glu Val Arg Arg Phe
123           420               425               430
125 Asn Thr Ala Asn Asp Asp Asn Val Thr Gln Val Arg Ala Phe Tyr Val
126     435               440               445
128 Asn Val Leu Asn Glu Glu Gln Arg Lys Arg Leu Cys Glu Asn Ile Ala
129     450               455               460
131 Gly His Leu Lys Asp Ala Gln Ile Phe Ile Gln Lys Lys Ala Val Lys
132 465               470               475               480
134 Asn Phe Thr Glu Val His Pro Asp Tyr Gly Ser His Ile Gln Ala Leu
135               485               490               495
137 Leu Asp Lys Tyr Asn Ala Glu Lys Pro Lys Asn Ala Ile His Thr Phe
138           500               505               510
140 Val Gln Ser Gly Ser His Leu Ala Ala Arg Glu Lys Ala Asn Leu
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145 <211> LENGTH: 1586
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147 <213> ORGANISM: Homo sapiens
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151 gcgcagaaag ctgatgtcct gaccactgga gctggtaacc cagtaggaga caaacttaat 120
152 gttattacag tagggccccg tgggcccctt cttgttcagg atgtggtttt cactgatgaa 180
153 atggctcatt ttgaccgaga gagaattcct gagagagttg tgcatgctaa aggagcaggg 240
154 gcctttggct actttgaggt cacacatgac attaccaaat actccaaggc aaaggtattt 300
155 gagcatattg gaaagaagac tcccatcgca gttcggttct ccactgttgc tggagaatcg 360
156 ggttcagctg acacagttcg ggaccctcgt gggtttgcag tgaaatttta cacagaagat 420
157 ggtaactggg atctcgttgg aaataacacc cccattttct tcatcaggga tcccatattg 480
158 tttccatctt ttatccacag ccaaaagaga aatcctcaga cacatctgaa ggatccggac 540
159 atggtctggg acttctggag cctacgtcct gagtctctgc atcaggtttc tttcttgttc 600
160 agtgatcggg ggattccaga tggatccatc gccacatgaa tggatatgga tcacatactt 660
161 tcaagctggt taatgcaaat ggggaggcag tttattgcaa attccattat aagactgacc 720
162 agggcatcaa aaacctttct gttgaagatg cggcgagact ttcccaggaa gatcctgact 780
163 atggcatccg ggatcttttt aacgccattg ccacaggaaa gtacccctcc tggacttttt 840
164 acatccaggt catgacattt aatcaggcag aaacttttcc atttaatcca ttcgatctca 900
165 ccaaggtttg gcctcacaag gactaccctc tcatcccagt tggtaaactg gtcttaaacc 960
166 ggaatccagt taattacttt gctgaggttg aacagatagc cttcgaccca agcaacatgc 1020
167 cacctggcat tgaggccagt cctgacaaaa tgcttcaggg ccgccttttt gcctatcctg 1080
168 acactcaccg ccatcgcctg ggacccaatt atcttcatat acctgtgaac tgtccctacc 1140
169 gtgctcgagt ggccaactac cagcgtgatg cccgatgtg catgcaggac aatcagggtg 1200
170 gtgctccaaa ttactacccc aacagctttg gtgctccgga caacagcct tctgccctgg 1260
171 agcacagcat ccaatattct ggagaagtgc ggagattcaa cactgccaat gatgataacg 1320
172 ttactcaggt gcgggcattc tatgtgaacg tgctgaatga ggaacagagg aaacgtctgt 1380
173 gtgagaacat tgccggccac ctgaaggatg cacaaatttt catccagaag aaagcggtca 1440
174 agaacttcac tgaggtccac cctgactacg ggagccacat ccaggctctt ctggacaagt 1500
175 acaatgctga gaagcctaag aatgcgattc acaccttttgt gcagtccgga tctcacttgg 1560
176 cggcaaggga gaaggcaaat ctgtga                                  1586
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180 <211> LENGTH: 16
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
186      peptide
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190 1               5                  10                 15
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194 <211> LENGTH: 16
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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202 <400> SEQUENCE: 5
203 Arg Gln Ile Lys Ile Phe Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
204   1           5               10              15
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208 <211> LENGTH: 16
209 <212> TYPE: PRT
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
214        peptide
216 <400> SEQUENCE: 6
217 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Phe Lys Lys
218   1           5               10              15
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222 <211> LENGTH: 16
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
228        peptide
230 <400> SEQUENCE: 7
231 Arg Gln Ile Lys Ile Phe Phe Gln Asn Arg Arg Met Lys Phe Lys Lys
232   1           5               10              15
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236 <211> LENGTH: 21
237 <212> TYPE: PRT
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
242        peptide
244 <400> SEQUENCE: 8
245 Lys Glu Thr Trp Trp Glu Thr Trp Trp Thr Glu Trp Ser Gln Pro Lys
246   1           5               10              15
248 Lys Lys Arg Lys Val
249              20
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253 <211> LENGTH: 12
254 <212> TYPE: PRT
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
259        motif
261 <400> SEQUENCE: 9
262 Lys Glu Thr Trp Trp Glu Thr Trp Trp Thr Glu Trp
263   1           5               10
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268 <212> TYPE: PRT
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271 <220> FEATURE:
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276 Lys Lys Lys Arg Lys Val
277   1               5
280 <210> SEQ ID NO: 11
281 <211> LENGTH: 9
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial Sequence
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286 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
287       peptide
289 <400> SEQUENCE: 11
290 Arg Leu Gln Val Val Leu Gly His Leu
291   1               5
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295 <211> LENGTH: 19
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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307 <211> LENGTH: 50
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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318 <210> SEQ ID NO: 14
319 <211> LENGTH: 30
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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327 ccgctagcgc taccggtcgc caccatggcc                               30
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331 <211> LENGTH: 42
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
338 <400> SEQUENCE: 15
339 cgtctcgagt tataatttgg acaggaacag gtggtggcgg cc                 42
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VERIFICATION SUMMARY   DATE: 05/10/2005
PATENT APPLICATION: US/10/533,124   TIME: 13:30:57

Input Set : **A:\SEQ LISTING-2 (WSU-9 US).txt**
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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number